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PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

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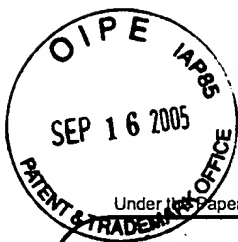
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/594,216
	Filing Date	6/14/2000
	First Named Inventor	
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission <u>16</u>	Attorney Docket Number	10160

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	John L. Doughty Reg. No. 47,533 ARRIS International, Inc.	
Signature		
Date	9/13/2005	

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Typed or printed name	John L. Doughty		
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PTO/SB/122 (04-05)
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CHANGE OF CORRESPONDENCE ADDRESS Application

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Application Number	09/594,216
Filing Date	6/14/2000
First Named Inventor	FREI
Art Unit	2/A
Examiner Name	2/A
Attorney Docket Number	10160

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Assignee of record of the entire interest.
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Attorney or agent of record. Registration Number 47,533



Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number

Signature

Typed or Printed
Name John L. Doughty

Date 9/13/2005

Telephone 678-473-8697

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below".



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PATENTS

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POWER OF ATTORNEY

Assistant Commissioner for Patents

Washington, DC 20231

Sir:

The undersigned Assignee of the issued and pending patent applications listed on Attachment 1 to this Power of Attorney hereby APPOINTS: John L. Doughty, Reg. No. 47,533 and Gaines Carter, Reg. No. 42,393, both members of the state bar of Georgia, its attorneys, with full power of substitution and revocation, to transact all business in the United States Patent and Trademark Office connected therewith, and to receive Letters Patent for the same. Furthermore, both attorneys may authorize that fee payments, including payment of issues fees, be made from PTO account number 01-2125.

It is requested that future Patent and Trademark Office correspondence in this case be directed to:

John L. Doughty

ARRIS International, Inc.

11450 Technology Circle

Duluth, Georgia 30097

Direct all telephone calls to John L. Doughty at (678) 473-8697.

ARRIS International, Inc.

Date: 11/6/2003

Armando Rois-Mendez

Title: Assistant Secretary



POWER OF ATTORNEY

Attachment 1

Title	Serial Number	Filing Date	Patent Number	Date of Issue	Inventors
Communications System and Method for Directional Communications Between an Upstream Control Facility and Downstream User Terminals	761281	09/17/91	5,421,030	05/30/1995	Paul Baran
Continuation patent			5,421,030	05/30/1995	Paul Baran
Method and Apparatus for Sharing Of Co-In-House Wiring To Permit Multiple Tele-Carriers To Serve The Same Customer	949424	09/22/92	5,341,415	08/23/1994	Paul Baran
Method and Cell Based Wide Area Network Alternative Access Telephone Data System	336325	11/08/94	5,544,164	08/06/1996	Paul Baran
Wide Area Fiber And TV Cable Fast Packet Network	"000373"	01/04/93	5,425,027	06/13/1995	Paul Baran
Wide Area Fiber And TV Cable Fast Packet Network	328583	10/17/94	5,642,351	06/24/1997	Paul Baran
Wide Area Fiber And TV Cable Fast Packet Network	877906	06/18/97	5,870,395	02/09/1999	Paul Baran
Multiple Protocol Personal Communication Network System	323341	10/14/94	5,550,820	08/27/1996	Paul Baran
Multiple Protocol Personal Communication Network System	843111	04/24/97	5,926,479	07/20/1999	Paul Baran
TV and Data Cable System Ingress Noise Blocker	699888	08/15/96	6,094,211	07/25/2000	Paul Baran George Bunya Marshall Hollimon
Prioritized Virtual Connection Transmission A Packet To ATM Cell Cable Network	08/731958	10/23/96	6,028,860	02/22/2000	Mark Laubach, Sanford Helton Alireza Raissinia Paul Gordon Michael Sabin Malay Thaker Kathleen Nichols
Prioritized Virtual Connection Transmission A Packet To ATM Cell Cable Network	09/315,783	05/20/99			Mark Laubach Sanford Helton Alireza Raissinia Paul Gordon Michael Sabin Malay Thaker Kathleen Nichols

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Virtual Connection Transmissions In A Packet To ATM Cable Network	US97/11476	06/30/97			Mark Laubach Sanford Helton Alireza Raissinia Paul Gordon Michael Sabin Malay Thaker Kathleen Nichols
Conversion Of A Cable Modem Signal To Different Frequencies For Upstream Communications Having A Wireless Channel Segment	08/811,186	03/04/97			
Wireless Upstream Communications Using Frequency Conversion	US98/03718	02/25/98			
CATV Network And Cable Modem System Having A Wireless Return Path	810407	03/04/97	5,870,134	02/09/1999	Paul Baran Mark Laubach
CATV Network And Cable Modem System Having A Wireless Return Path	130842	08/07/98	6,075,972	6/13/2000 *subject to term disclaimer	Paul Baran Mark Laubach
CATV Network And Cable Modem System Having A Wireless Return Path	US98/04026	03/02/98			
Multi-Channel Support For Virtual Private Networks In A Packet To ATM Cell Cable System	08/864,550	05/27/97			Mark Laubach Sanford Helton Alireza Raissinia Paul Gordon Malay Thaker Kathleen Nichols
Multi-Channel Support For Virtual Private Networks In A Packet To ATM Cell Cable System	09/398,267	09/17/99			Mark Laubach Sanford Helton Alireza Raissinia Paul Gordon Malay Thaker Kathleen Nichols
Multi-Channel Support For Virtual Private Networks In A Packet To ATM Cell Cable System	09/397,997	09/17/99			Mark Laubach Sanford Helton Alireza Raissinia Paul Gordon Malay Thaker Kathleen Nichols
Multi-Channel Support For Virtual Private Networks In A Packet To ATM Cell Cable System	09/400,203	09/17/99			Mark Laubach Sanford Helton Alireza Raissinia Paul Gordon Malay Thaker Kathleen Nichols

PATENTS

Multi-Channel Support For Virtual Private Networks In A Packet To ATM Cable System	US98/19327	09/16/98			
Method And Apparatus For An Application Interface Module In A Subscriber Terminal	881942	06/25/97	6,081,533	06/27/2000	Paul Baran Ken Gorman Sanford Helton Mark Laubach
Application Interface Module	US98/12972	06/23/98			
Reverse Path Multiplexer For Use In High Speed Data Transmissions	985571	12/05/97	6,137,793	10/24/2000	Ken Gorman Mark Laubach Ali Raissinia
Reverse Path Multiplexer For Use In High Speed Data Transmissions	US98/20384	09/30/98			
Method For Providing Integrated Packet Services Over A Shared Media Network	631507	04/12/96	5,917,822 (share w/ Xerox PacTel)	06/29/1999	Mark Laubach (Cortel) Joseph Lyles (Xerox) Scott Quinn (PacTel)
Upstream Ingress Noise Blocking Filter For Cable Television System	892090	07/14/97	6,049,693	04/11/2000	Paul Baran George Bunya Jud Heinzman Marshall Hollimon
Upstream Ingress Noise Blocking System For Cable Television System	09/526,077	03/15/00			Paul Baran George Bunya Jud Heinzman Marshall Hollimon
Method And Apparatus For Sub-Networked Devices Without Direct Layer-2 Communication and Coupled to a Common Forwarding Agent Interface to Communicate Through Layer 2	09/594,216	06/14/00			Randall Wayne Freeman